

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed

and for which a patent is sought on the invention entitled TERAHERTZ TRANSCEIVERS AND METHODS FOR EMISSION AND DETECTION OF TERAHERTZ PULSES USING SUCH TRANSCEIVERS, the specification of which is attached hereto unless the following box is checked

☐ was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on ____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)



(Number)

(Country)

(Day/Month/Year Filed)



I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/195,554

April 6, 2000

(Application Number)

(Filing Date)

60/195,708

April 7, 2000

(Application Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APR-03-01 TUE 11:30 AM R&P WILMINGTON

FAX NO. 3024799480

P. 09

RPI-103US

Page 2 of 3

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia	Reg. No. 23,031	Lawrence E. Ashury	Reg. No. 34,515	Conas S. Krikelis	Reg. No. 28,028
Allan Ratner	Reg. No. 19,717	Christopher R. Lewis	Reg. No. 36,201	Joshua L. Cohen	Reg. No. 38,040
Andrew L. Ney	Reg. No. 20,300	Robert L. Andersen	Reg. No. 25,771	Jack J. Jankovitz	Reg. No. 42,690
Kenneth N. Nigon	Reg. No. 31,549	Daniel N. Calder	Reg. No. 27,424	Jonathan H. Spelt	Reg. No. 45,122
Kevin R. Casey	Reg. No. 32,117	Louis W. Beardell, Jr.	Reg. No. 40,506	Christopher I. Halliday	Reg. No. 42,621
Benjamin E. Leace	Reg. No. 33,412	Jacques I. Etkowicz	Reg. No. 41,738	Kevin W. Goldstein	Reg. No. 34,608
James C. Simmons	Reg. No. 24,842	Bruce M. Monroe	Reg. No. 33,602	Rex A. Donnelly	Reg. No. 41,712

Address all correspondence to: Kevin R. Casey

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Kevin R. Casey at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) X.-C. Zhang

Inventor's signature X.-C. Zhang

Date 4/3/2001

Residence 31 Omega Terrace

Latham, New York 12110

Citizenship United States

Post Office Address 31 Omega Terrace

Latham, New York 12110

Full name of second joint inventor (given name, family name) Masahiko Tani

Second Inventor's signature _____

Date _____

Residence 449-5-1-103 Hojo

Himeji 670-0947, Japan

Citizenship Japan

Post Office Address 449-5-1-103 Hojo

Himeji 670-0947, Japan

☒ Additional inventors are being named on separately numbered sheets attached hereto.

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia	Reg. No. 23,031	Lawrence E. Ashery	Reg. No. 34,515	Costas S. Krikelis	Reg. No. 28,028
Allan Ratner	Reg. No. 19,717	Christopher R. Lewis	Reg. No. 36,201	Joshua L. Cohen	Reg. No. 38,040
Andrew L. Ney	Reg. No. 20,300	Robert L. Andersen	Reg. No. 25,771	Jack J. Jankovitz	Reg. No. 42,690
Kenneth N. Nigon	Reg. No. 31,549	Daniel N. Calder	Reg. No. 27,424	Jonathan H. Spadt	Reg. No. 45,122
Kevin R. Casey	Reg. No. 32,117	Louis W. Beardell, Jr.	Reg. No. 40,506	Christopher I. Halliday	Reg. No. 42,621
Benjamin E. Leace	Reg. No. 33,412	Jacques L. Etkowicz,	Reg. No. 41,738	Kevin W. Goldstein	Reg. No. 34,608
James C. Simmons	Reg. No. 24,842	Bruce M. Monroe	Reg. No. 33-602	Rex A. Donnelly	Reg. No. 41,712

Address all correspondence to: Kevin R. Casey

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Kevin R. Casey at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) X.-C. Zhang

Inventor's signature _____

Date _____

Residence 31 Omega Terrace
Latham, New York 12110

Citizenship United States

Post Office Address 31 Omega Terrace
Latham, New York 12110

Full name of second joint inventor (given name, family name) Masahiko Tani.

Second Inventor's signature M. Tani Date April 4, 2001

Residence 449-5-1-103 Hojo
Himeji 670-0947, Japan

Citizenship Japan

Post Office Address 449-5-1-103 Hojo
Himeji 670-0947, Japan

☒ Additional inventors are being named on separately numbered sheets attached hereto.

Full name of third joint inventor (given name, family name) **Zhiping Jiang**

Third inventor's signature Zhiping Jiang Date April 4, 2001

Residence 712 Cole Avenue

Ottawa ON K2A 2B7, Canada

Citizenship China

Post Office Address 712 Cole Avenue

Ottawa ON K2A 2B7, Canada

Full name of fourth joint inventor (given name, family name) **Qin Chen**

Fourth inventor's signature _____ Date _____

Residence 130 Cold Stream Court

Emmaus, Pennsylvania 18049

Citizenship P. R. China

Post Office Address 130 Cold Stream Court

Emmaus, Pennsylvania 18049

Full name of third joint inventor (given name, family name) **Zhiping Jiang**

Third inventor's signature _____ Date _____

Residence 712 Cole Avenue

Ottawa ON K2A 2B7, Canada

Citizenship China

Post Office Address 712 Cole Avenue

Ottawa ON K2A 2B7, Canada

Full name of fourth joint inventor (given name, family name) **Qin Chen**

Fourth inventor's signature  Date 04/04/01

Residence 130 Cold Stream Court

Emmaus, Pennsylvania 18049

Citizenship P. R. China

Post Office Address 130 Cold Stream Court

Emmaus, Pennsylvania 18049